

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

I HEREBY DECLARE THAT:

My residence, mailing address, and citizenship are stated next to my name in PART A hereof.

I believe I am the original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**METHODS AND SYSTEMS FOR PROCESSING MICROFEATURE WORKPIECES:**  
**METHODS FOR CONDITIONING ALD REACTION CHAMBERS**

the specification of which:

- ☒ is attached hereto.
- ☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim priority benefits under 35 USC §119(a)-(d) or (f), §172, or §365(a)-(b) of any foreign or international application(s) for patent or inventor's certificate listed in PART B hereof and have also identified in PART B hereof any such foreign or international application having a filing date before that of the application of which priority is claimed.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. I understand that the execution of this document does not in itself establish an attorney-client relationship between the undersigned and Perkins Coie LLP, or any of its attorneys.

See pages 2-3 attached, signed, and made a part hereof.

**INVENTORSHIP DECLARATION BY JOINT INVENTORS****PART A: INVENTOR INFORMATION AND SIGNATURE**Full name of FIRST inventor: Kevin L. BeamanCitizenship: USAMailing Address: 4402 Redhawk Ave.  
Boise, Idaho 83716

Residence (if different): \_\_\_\_\_

Inventor's Signature: Kevin L. Beaman Date: 6-12-03Full name of SECOND inventor: Ronald A. WeimerCitizenship: USAMailing Address: 1696 E. Victory Rd.  
Boise, Idaho 83706

Residence (if different): \_\_\_\_\_

Inventor's Signature: Ronald A. Weimer Date: 11 June 2003Full name of THIRD inventor: Lyle D. BreinerCitizenship: USAMailing Address: 3050 Val Vista Court  
Meridian, Idaho 83642

Residence (if different): \_\_\_\_\_

Inventor's Signature: Lyle D. Breiner Date: 06/11/2003Full name of FOURTH inventor: Er-Xuan PingCitizenship: USAMailing Address: 2239 E. Chateau Dr.  
Meridian, Idaho 83642

Residence (if different): \_\_\_\_\_

Inventor's Signature: Er-Xuan Ping Date: 06/24/2003

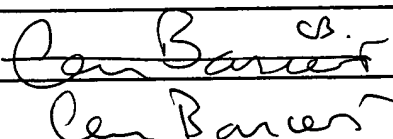
**INVENTORSHIP DECLARATION BY JOINT INVENTORS****PART A: INVENTOR INFORMATION AND SIGNATURE**Full name of FIFTH inventor: Trung T. DoanCitizenship: USAMailing Address: 1574 Shenandoah Drive  
Boise, Idaho 83712

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of SIXTH inventor: Cem BasceriCitizenship: TurkeyMailing Address: 314 E. Iowa Dr.  
Boise, Idaho 83706

Residence (if different): \_\_\_\_\_

Inventor's Signature:  Date: 6-11-03Full name of SEVENTH inventor: David J. KubistaCitizenship: USAMailing Address: 13389 Skyview St.  
Nampa, Idaho 83686

Residence (if different): \_\_\_\_\_

Inventor's Signature:  Date: 6/11/03Full name of EIGHTH inventor: Lingyi A. ZhengCitizenship: USAMailing Address: 2535 E. Red Cedar Lane, #202  
Boise, Idaho 83716

Residence (if different): \_\_\_\_\_

Inventor's Signature:  Date: 06/11/2003

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

**PART B: CLAIM TO PRIORITY OF FOREIGN APPLICATION(S) UNDER 35 U.S.C. § 119(a)-(d)  
or (f), § 172, or § 365(a)-(b)**

<b>Country</b>	<b>App. No.</b>	<b>Filing Date</b>	<b>Priority Not Claimed</b>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

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**METHODS AND APPARATUS FOR PROCESSING MICROFEATURE WORKPIECES:**  
**METHODS FOR CONDITIONING ALD REACTION CHAMBERS**

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See pages 2-3 attached, signed, and made a part hereof.

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

**PART A: INVENTOR INFORMATION AND SIGNATURE**

Full name of FIRST inventor: Kevin L. Beaman

Citizenship: USA                      Mailing Address: 4402 Redhawk Ave.  
Boise, Idaho 83716

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of SECOND inventor: Ronald A. Weimer

Citizenship: USA                      Mailing Address: 1696 E. Victory Rd.  
Boise, Idaho 83706

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of THIRD inventor: Lyle D. Breiner

Citizenship: USA                      Mailing Address: 3050 Val Vista Court  
Meridian, Idaho 83642

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of FOURTH inventor: Er-Xuan Ping


Citizenship: USA                      Mailing Address: 2239 E. Chateau Dr.  
Meridian, Idaho 83642

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**INVENTORSHIP DECLARATION BY JOINT INVENTORS****PART A: INVENTOR INFORMATION AND SIGNATURE**Full name of FIFTH inventor: Trung T. DoanCitizenship: USA Mailing Address: 1106 Teakwood Trail  
Pflugerville, Texas 78660-2854

Residence (if different): \_\_\_\_\_

Inventor's Signature:  Date: \_\_\_\_\_Full name of SIXTH inventor: Cem BasceriCitizenship: Turkey Mailing Address: 314 E. Iowa Dr.  
Boise, Idaho 83706

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of SEVENTH inventor: David J. KubistaCitizenship: USA Mailing Address: 13389 Skyview St.  
Nampa, Idaho 83686

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of EIGHTH inventor: Lingyi A. ZhengCitizenship: USA Mailing Address: 2535 E. Red Cedar Lane, #202  
Boise, Idaho 83716

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

**PART B: CLAIM TO PRIORITY OF FOREIGN APPLICATION(S) UNDER 35 U.S.C. § 119(a)-(d)  
or (f), § 172, or § 365(a)-(b)**

<u>Country</u>	<u>App. No.</u>	<u>Filing Date</u>	<u>Priority Not Claimed</u>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Kevin L. Beaman *et al.*  
FILED: Concurrently Herewith  
FOR: **METHODS AND APPARATUS FOR  
PROCESSING MICROFEATURE  
WORKPIECES; METHODS FOR  
CONDITIONING ALD REACTION  
CHAMBERS**

**Power of Attorney by Assignee and Certification**  
**Under 37 C.F.R. § 3.73(b)**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-identified patent application, by virtue of an Assignment filed concurrently herewith, appoint the attorneys and agents listed below to prosecute this application and transact all business with the U.S. Patent and Trademark Office in connection therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 C.F.R. § 3.71.

All prior powers of attorney for this application are hereby revoked. The Assignee hereby appoints

STEPHEN E. ARNETT, Registration No. 47,392  
RODGER K. CARREYN, Registration No. 50,774  
BRIAN R. COLEMAN, Registration No. 39,145  
CHRISTOPHER DALEY-WATSON, Registration No. 34,807  
PETER J. DEHLINGER, Registration No. 28,006  
DAVID BOGART DORT, Registration No. 50,213  
DAVID T. DUTCHER, Registration No. 51,638  
LEEANN GORTHEY, Registration No. 37,337

JOSEPH HAMILTON, Registration No. 51,770  
PAUL L. HICKMAN, Registration No. 28,516  
EDWARD S. HOTCHKISS, Registration No. 33,904  
STEVEN KELLEY, Registration No. 43,449  
JONATHAN P. KUDLA, Registration No. 47,724  
STEVEN D. LAWRENZ, Registration No. 37,376  
JACQUELINE F. MAHONEY, Registration No. 48,390  
SHAILESH MEHRA, Registration No. 44,934  
JUDY M. MOHR, Registration No. 38,563  
CHUN M. NG, Registration No. 36,878  
NGUYEN H. NGUYEN, Registration No. 43,834  
REBEKKA C. NOLL, Registration No. 46,962  
KENNETH H. OHRINER, Registration No. 31,646  
PAUL T. PARKER, Registration No. 38,264  
MAURICE J. PIRIO, Registration No. 33,273  
TIM R. SEELEY, Registration No. 53,575  
LAUREN SLIGER, Registration No. 51,086  
LARRY W. THROWER, Registration No. 47,994  
GLENN E. VON TERSCH, Registration No. 41,364  
JOHN M. WECHKIN, Registration No. 42,216  
JAMES A.D. WHITE, Registration No. 43,985  
MICHAEL J. WISE, Registration No. 34,047  
ROBERT G. WOOLSTON, Registration No. 37,263  
JAMES J. ZHU, Registration No. 52,396  
all affiliated with Perkins Coie LLP; and

MICHAEL L. LYNCH, Reg. No. 30,871  
CHARLES B. BRANTLEY, II, Reg. No. 38,086  
RUSS SLIFER, Reg. No. 39,838  
all affiliated with Micron Technology, Inc.

Direct all telephone calls to Edward S. Hotchkiss at (206) 264-3848. Address all correspondence to:

Customer No. 25096  
Perkins Coie LLP  
P.O. Box 1247  
Seattle, Washington 98111-1247  
(206) 583-8888

In accordance with 37 C.F.R. § 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the Assignment noted above.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC § 1001 and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

ASSIGNEE: MICRON TECHNOLOGY, INC.

Signature: 

Typed Name: Michael L. Lynch

Title: Chief Patent Counsel

Date: 8-20-03

Address: 8000 South Federal Way

P.O. Box 6

Boise, Idaho 83706-9632